

Procedure Integrated Development Environment (PRIDE), Phase I

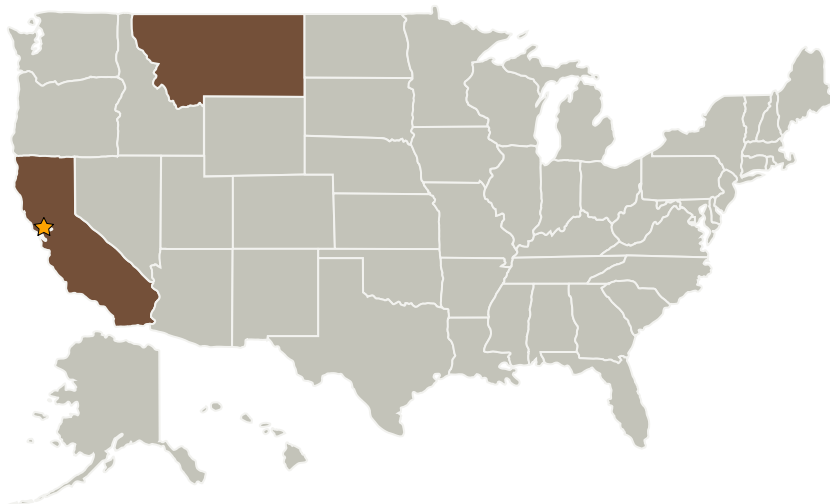
Completed Technology Project (2008 - 2008)



Project Introduction

NASA captures and distributes operational knowledge in the form of procedures. These procedures are created and accessed by a range of people performing many different jobs. These people have different needs for procedure data and different ways of interacting with procedures. We propose an Procedure Integrated Development Environment which will present different editing modes and different views depending on the users and tasks, but will use a consistent data representation for all users. We propose to explore alternate editing paradigms and discover which are the most valuable for NASA operations. We propose to build this environment on the basis of an existing prototype, PRIDE, which was developed for the Engineering Directorate of Johnson Space Center.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ Ames Research Center(ARC)	Lead Organization	NASA Center	Moffett Field, California
S&K Aerospace, Inc.	Supporting Organization	Industry Small Disadvantaged Business (SDB)	St Ignatius, Montana



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Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Ames Research Center (ARC)

Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

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Primary U.S. Work Locations

California

Montana

Project Management

Program Director:

Jason L Kessler

Program Manager:

Carlos Torrez

Principal Investigator:

Arthur W Molin

Technology Areas

Primary:

- TX11 Software, Modeling, Simulation, and Information Processing
 - └ TX11.1 Software Development, Engineering, and Integrity
 - └ TX11.1.5 Architecture and Design of Software systems